EAST SEARCH

8/11/03

L#	Hits	Search String	Databases
L2	2	6,263,103.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	2	6,380,934.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2	5,963,653.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	2	5,802,256.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	2	5,623,609.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	28	Markov Network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	31	Markov Network or "Markov network" or "Markov Networks" or "Markov networks"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	0	2 and ("cluster variational method")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	8	2 and (cluster$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	16	("belief propagation") and ("message passing")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	45	2 or 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	22	7 and rule$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	29	7 and value$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	8	7 and (region$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	10	7 and (cluster$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	19	8 and 9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	5	7 and "termination condition"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	25	7 and (link$1 or node$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	2	2 and (marginal with probabilit$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	5	2 and ("belief propagation")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	2	2 and ("message passing")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	541	Bayesian with network$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	434	Markov with network$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	915	18 or 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	217	20 and cluster$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	77	21 and propagat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	104	21 and (link$1 and node$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	0	21 and Kikuchi	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	10	21 and (belief with propagat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	7	21 and (probabilit$3 with propagat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	18	21 and (message with pass$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	3	21 and "termination condition"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Results of search set L10:(Markov Network or "Markov network" or "Markov Networks" or "Markov networks") or (("belief propagation") and ("message passing"))

Document	Kind Codes	Title	Issue Date	Current OR	Abstract
US 20030126551	A1	Hybrid automatic repeat request system and method	20030703	714/790	
US 20030093272	A1	Speech operated automatic inquiry system	20030515	704/231	
US 20030065989	A1	Evaluating and optimizing error-correcting codes using projective analysis	20030403	714/703	
US 20030037298	A1	Method and apparatus for low density parity check encoding of data	20030220	714/752	
US 20030033575	A1	Methods and apparatus for decoding LDPC codes	20030213	714/799	
US 20030023917	A1	Node processors for use in parity check decoders	20030130	714/749	
US 20020188906	A1	Method and coding apparatus using low density parity check codes for data storage or data tr	20021212	714/755	
US 20020172434	A1	One-pass super-resolution images	20021121	382/299	
US 20020122570	A1	Real-time crowd density estimation from video	20020905	382/103	
US 20020116677	A1	Decoder for iterative decoding of binary cyclic codes	20020822	714/781	
US 20020116196	A1	Speech recognizer	20020822	704/270	
US 20020103776	A1	Scaleable object recognition with a belief model	20020801	706/49	
US 20020071504	A1	Method for iterative and non-iterative data detection using reduced-state soft-input/soft-output	20020613	375/341	
US 20010011260	A1	Automated diagnosis of printer systems using bayesian networks	20010802	706/46	
US 6584376	B1	Mobile robot and method for controlling a mobile robot	20030624	700/245	
US 6535865	B1	Automated diagnosis of printer systems using Bayesian networks	20030318	706/52	
US 6496184	B1	Method for inferring scenes from test images and training data using probability propagation ir	20021217	345/419	
US 6380934	B1	Estimating targets using statistical properties of observations of known targets	20020430	345/419	
US 6263103	B1	Estimating scenes using statistical properties of images and scenes	20010717	382/173	
US 6240051	B1	Acoustic surveillance apparatus and method	20010529	367/127	
US 6070140	A	Speech recognizer	20000530	704/275	
US 5839105	A	Speaker-independent model generation apparatus and speech recognition apparatus each ec	19981117	704/256	
US 5812975	A	State transition model design method and voice recognition method and apparatus using sam	19980922	704/256	
US 5799277	A	Acoustic model generating method for speech recognition	19980825	704/256	
US 5677988	A	Method of generating a subword model for speech recognition	19971014	704/256	
US 5634086	A	Method and apparatus for voice-interactive language instruction	19970527	704/270	
US 5412756	A	Artificial intelligence software shell for plant operation simulation	19950502	706/45	
US 5402526	A	Interruptibility/priority control scheme for artificial intelligence software shell	19950328	706/49	
US 5402524	A	Case-based knowledge source for artificial intelligence software shell	19950328	706/45	
US 5398304	A	Control process for artificial intelligence software shell	19950314	706/49	
JP 2000172842	A	UNKNOWN TARGET AND METHOD FOR ESTIMATING UNKNOWN TARGET FROM OBSE	20000623		
JP 2000172841	A	METHOD FOR ESTIMATING SCENE FROM IMAGE	20000623		
JP 09081179	A	SPEAKER ADAPTIVE DEVICE AND VOICE RECOGNITION DEVICE	19970328		
JP 09081178	A	UNSPECIFIED SPEAKER MODEL GENERATING DEVICE AND VOICE RECOGNITION DE	19970328		
JP 08241095	A	SPEAKER ADAPTATION DEVICE AND SPEECH RECOGNIZING DEVICE	19960917		
JP 08110792	A	SPEAKER ADAPTATION DEVICE AND SPEECH RECOGNITION DEVICE	19960430		

EP 1026634 A2	Estimating targets using statistical properties of observations of know targets	20000809
EP 1026631 A2	Method for inferring scenes from test images and training data using probability propagation ir	20000809
EP 1006481 A2	Estimating scenes using statistical properties of images and scenes	20000607
EP 1160679 A	Probability system modeling for Markov networks uses message passing within loops and find	20011205
EP 1160678 A	State probability approximation method for modeling probabilistic systems in Markov networks	20011205
EP 1026631 A	Inferring scene from test images method for motion detection in videos by modelling probabilis	20021217
DE 4241688 A	Generating sub-word model for speech recognition - successively dividing conditions in origin	19930923
SU 1534472 A	Homogeneous markov circuit fidelity determn. appts. - has input of summator connected to da	19900107
SU 822198 B	Electronic analyser for random number probability characteristics - uses number generation ar	19810415

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A maximum of **7** results are displayed, **25** to a page, sorted by **Relevance** in **descending** order.
You may refine your search by editing the current search expression or entering a new one the text box.
Then click **Search Again**.

Freeman and Mitsubishi

Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **Demonstration of an interactive multimedia environment**
Rich, C.; Waters, R.C.; Strohecker, C.; Schabes, Y.; Freeman, W.T.; Torrance, M.C.; Golding, A.R.; Roth, M.;
Computer , Volume: 27 Issue: 12 , Dec. 1994
Page(s): 15 -22

[Abstract] [PDF Full-Text (748 KB)] **IEEE JNL**

2 **Computer vision for interactive computer graphics**
Freeman, W.T.; Anderson, D.B.; Beardsley, P.; Dodge, C.N.; Roth, M.; Weissman, C.D.; Yerazunis, W.S.; Kage, H.; Kyuma, I.; Miyake, Y.; Tanaka, K.;
Computer Graphics and Applications, IEEE , Volume: 18 Issue: 3 , May-June 1998
Page(s): 42 -53

[Abstract] [PDF Full-Text (1272 KB)] **IEEE JNL**

3 **Bayesian decision theory, the maximum local mass estimate, and color constancy**
Freeman, W.T.; Brainard, D.H.;
Computer Vision, 1995. Proceedings., Fifth International Conference on , 20-23 June 1995
Page(s): 210 -217

[Abstract] [PDF Full-Text (840 KB)] **IEEE CNF**

4 **A gesture controlled human interface using an artificial**

retina chip
Miyake, Y.; Freeman, W.T.; Ohta, J.; Tanaka, K.; Kyuma, K.;
Lasers and Electro-Optics Society Annual Meeting, 1996. LEOS 96., IEEE , Volume: 1 , 18-19 Nov. 1996
Page(s): 292 -293 vol.1

[Abstract] [PDF Full-Text (212 KB)] IEEE CNF

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5 **Learning low-level vision**
Freeman, W.T.; Pasztor, E.C.;
Computer Vision, 1999. The Proceedings of the Seventh IEEE International Conference on , Volume: 2 , 20-27 Sept. 1999
Page(s): 1182 -1189 vol.2

[Abstract] [PDF Full-Text (2148 KB)] IEEE CNF

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6 **Computer vision for television and games**
Freeman, W.T.;
Recognition, Analysis, and Tracking of Faces and Gestures in Real-Time Systems, 1999. Proceedings. International Workshop on , 26-27 Sept. 1999
Page(s): 118 -118

[Abstract] [PDF Full-Text] IEEE CNF

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7 **Learning local evidence for shading and reflectance**
Bell, M.; Freeman, E.T.;
Computer Vision, 2001. ICCV 2001. Proceedings. Eighth IEEE International Conference on , Volume: 1 , 7-14 July 2001
Page(s): 670 -677 vol.1

[Abstract] [PDF Full-Text (1088 KB)] IEEE CNF

Your search matched **8** of **959708** documents.

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Luettgen and "multiscale"

Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **Likelihood calculation for a class of multiscale stochastic models**
Luettgen, M.; Willsky, A.S.;
Decision and Control, 1993., Proceedings of the 32nd IEEE Conference on , 15-17 Dec. 1993
Page(s): 1241 -1246 vol.2

[Abstract] [PDF Full-Text (488 KB)] **IEEE CNF**

2 **Multiscale representations of Markov random fields**
Luettgen, M.R.; Karl, W.C.; Willsky, A.S.; Tenney, R.R.;
Acoustics, Speech, and Signal Processing, 1993. ICASSP-93., 1993 IEEE International Conference on , Volume: 5 , 27-30 April 1993
Page(s): 41 -44 vol.5

[Abstract] [PDF Full-Text (364 KB)] **IEEE CNF**

3 **Likelihood-based texture discrimination with multiscale stochastic models**
Luettgen, M.R.; Willsky, A.S.; Allen, T.G.; Tenney, R.R.;
Image Processing, 1994. Proceedings. ICIP-94., IEEE International Conference , Volume: 3 , 13-16 Nov. 1994
Page(s): 451 -455 vol.3

[Abstract] [PDF Full-Text (396 KB)] **IEEE CNF**

4 **Maximum-likelihood estimation of multiscale stochastic model parameters**

Chou, K.C.;
Time-Frequency and Time-Scale Analysis, 1996., Proceedings of the IEEE-SP International Symposium on , 18-21 June 1996
Page(s): 17 -20

[Abstract] [PDF Full-Text (300 KB)] IEEE CNF

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5 **Multiscale representations of Markov random fields**
Luettgen, M.R.; Karl, W.C.; Willsky, A.S.; Tenney, R.R.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on] , Volume: 41 Issue: 12 , Dec. 1993
Page(s): 3377 -3396

[Abstract] [PDF Full-Text (1796 KB)] IEEE JNL

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6 **Efficient multiscale regularization with applications to the computation of optical flow**
Luettgen, M.R.; Clem Karl, W.; Willsky, A.S.;
Image Processing, IEEE Transactions on , Volume: 3 Issue: 1 , Jan. 1994
Page(s): 41 -64

[Abstract] [PDF Full-Text (1720 KB)] IEEE JNL

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7 **Likelihood calculation for a class of multiscale stochastic models, with application to texture discrimination**
Luettgen, M.R.; Willsky, A.S.;
Image Processing, IEEE Transactions on , Volume: 4 Issue: 2 , Feb. 1995
Page(s): 194 -207

[Abstract] [PDF Full-Text (1436 KB)] IEEE JNL

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8 **Multiscale smoothing error models**
Luettgen, M.R.; Willsky, A.S.;
Automatic Control, IEEE Transactions on , Volume: 40 Issue: 1 , Jan. 1995
Page(s): 173 -175

[Abstract] [PDF Full-Text (300 KB)] IEEE JNL

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Mackay and error-correcting

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1 **Likelihood calculation for a class of multiscale stochastic models**
Luettgen, M.; Willsky, A.S.;
Decision and Control, 1993., Proceedings of the 32nd IEEE Conference on , 15-17 Dec. 1993
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Page(s): 194 -207

[Abstract] [PDF Full-Text (1436 KB)] IEEE JNL

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Luettgen, M.R.; Willsky, A.S.;
Automatic Control, IEEE Transactions on , Volume: 40 Issue: 1 , Jan. 1995
Page(s): 173 -175

[Abstract] [PDF Full-Text (300 KB)] IEEE JNL

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Markov network.

Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **Characterizing a lumping heuristic for a Markov network reliability model**
Balakrishnan, M.; Reibman, A.;
Fault-Tolerant Computing, 1993. FTCS-23. Digest of Papers., The Twenty-Third International Symposium on , 22-24 June 1993
Page(s): 56 -65

[Abstract] [PDF Full-Text (948 KB)] **IEEE CNF**

2 **All-phoneme ergodic hidden Markov network for unsupervised speaker adaptation**
Miyazawa, Y.; Takami, J.-I.; Sagayama, S.; Matsunaga, S.;
Acoustics, Speech, and Signal Processing, 1994. ICASSP-94., 1994 IEEE International Conference on , Volume: i , 19-22 April 1994
Page(s): I/249 -I/252 vol.1

[Abstract] [PDF Full-Text (276 KB)] **IEEE CNF**

3 **Structure of the high-order Boltzmann machine from independence maps**
Albizuri, F.X.; d'Anjou, A.; Grana, M.; Larranaga, P.;
Neural Networks, IEEE Transactions on , Volume: 8 Issue: 6 , Nov. 1997
Page(s): 1351 -1358

[Abstract] [PDF Full-Text (316 KB)] **IEEE JNL**

4 **A successive state splitting algorithm for efficient allophone modeling**
Takami, J.; Sagayama, S.;
Acoustics, Speech, and Signal Processing, 1992. ICASSP-92., 1992 IEEE International Conference on , Volume: 1 , 23-26 March 1992
Page(s): 573 -576 vol.1

[Abstract] [PDF Full-Text (336 KB)] IEEE CNF

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5 **Tree-structured speaker clustering for fast speaker adaptation**
Kosaka, T.; Sagayama, S.;
Acoustics, Speech, and Signal Processing, 1994. ICASSP-94., 1994 IEEE International Conference on , Volume: i , 19-22 April 1994
Page(s): I/245 -I/248 vol.1

[Abstract] [PDF Full-Text (256 KB)] IEEE CNF

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6 **Learning low-level vision**
Freeman, W.T.; Pasztor, E.C.;
Computer Vision, 1999. The Proceedings of the Seventh IEEE International Conference on , Volume: 2 , 20-27 Sept. 1999
Page(s): 1182 -1189 vol.2

[Abstract] [PDF Full-Text (2148 KB)] IEEE CNF

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7 **Learning Bayesian networks by learning decomposable Markov networks first**
Huang, Y.; Xiang, Y.;
Electrical and Computer Engineering, 1999 IEEE Canadian Conference on , Volume: 3 , 9-12 May 1999
Page(s): 1704 -1709 vol.3

[Abstract] [PDF Full-Text (484 KB)] IEEE CNF

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8 **A two-step approach to hallucinating faces: global parametric model and local nonparametric model**
Ce Liu; Heung-Yeung Shum; Chang-Shui Zhang;
Computer Vision and Pattern Recognition, 2001. CVPR 2001. Proceedings of the 2001 IEEE Computer Society Conference on , Volume: 1 , 8-14 Dec. 2001
Page(s): I-192 -I-198 vol.1

[Abstract] [PDF Full-Text (1324 KB)] IEEE CNF

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9 **New state clustering of hidden Markov network with Korean phonological rules for speech recognition**
Se-Jin Oh; Hyun-Yeol Chung; Cheol-Jun Hwang; Bum-Koog Kim; Ito, A.;
Multimedia Signal Processing, 2001 IEEE Fourth Workshop on , 3-5 Oct. 2001
Page(s): 39 -44

[Abstract] [PDF Full-Text (434 KB)] **IEEE CNF**

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10 **Optimal control of two interacting service stations**
Hajek, B.;
Automatic Control, IEEE Transactions on , Volume: 29 Issue: 6 , Jun 1984
Page(s): 491 -499

[Abstract] [PDF Full-Text (872 KB)] **IEEE JNL**

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11 **Performance analysis of a star topology of interconnected networks under 2nd-order Markov network output processes**
Stavrakakis, I.; Kazakos, D.;
Communications, IEEE Transactions on , Volume: 38 Issue: 10 , Oct. 1990
Page(s): 1724 -1731

[Abstract] [PDF Full-Text (660 KB)] **IEEE JNL**

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A maximum of **1** results are displayed, **15** to a page, sorted by **Relevance** in **descending** order.
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"markov network" and "belief propagation"

Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **Learning low-level vision**
Freeman, W.T.; Pasztor, E.C.;
Computer Vision, 1999. The Proceedings of the Seventh IEEE International Conference on , Volume: 2 , 20-27 Sept. 1999
Page(s): 1182 -1189 vol.2

[Abstract] [PDF Full-Text (2148 KB)] **IEEE CNF**

Search Results

Search Results for: **["Markov network"]**
Found **9** of **119,560 searched.**

Search within Results

Sort by: Title Publication Publication Date Score Binder

Results 1 - 9 of 9 short listing

1 Correlated equilibria in graphical games 99%
Sham Kakade , Michael Kearns , John Langford , Luis Ortiz
Proceedings of the 4th ACM conference on Electronic commerce June 2003
We examine correlated equilibria in the recently introduced formalism of graphical games, a succinct representation for multiplayer games. We establish a natural and powerful relationship between the graphical structure of a multiplayer game and a certain Markov network representing distributions over joint actions. Our first main result establishes that this Markov network succinctly represents all correlated equilibria of the graphical game up to expected payoff equivalence. Our second main re ...

2 Learning Markov networks: maximum bounded tree-width graphs 97%
David Karger , Nathan Srebro
Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms January 2001

Markov networks are a common class of graphical models used in machine learning. Such models use an undirected graph to capture dependency information among random variables in a joint probability distribution. Once one has chosen to use a Markov network model, one aims to choose the model that “best explains” the data that has been observed—this model can then be used to make predictions about future data.

We show that the problem of learning a maximum likelihood Ma ...

3 Independence is good: dependency-based histogram synopses for high-dimensional data 85%
Amol Deshpande , Minos Garofalakis , Rajeev Rastogi
ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data May 2001
Volume 30 Issue 2

Approximating the joint data distribution of a multi-dimensional data set through a compact and

accurate histogram synopsis is a fundamental problem arising in numerous practical scenarios, including query optimization and approximate query answering. Existing solutions either rely on simplistic independence assumptions or try to directly approximate the full joint data distribution over the complete set of attributes. Unfortunately, both approaches are doomed to fail for high-dimensional dat ...

4 An architecture for probabilistic concept-based information retrieval 77%
R. M. Fung , S. L. Crawford , L. A. Appelbaum , R. M. Tong
Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval December 1989

5 Workshop reports: Report on ACM sigir workshop on mathematical/formal methods in information retrieval 77%
Sandor Dominich , Mounia Lalmas , Keith van Rijsbergen
ACM SIGIR Forum April 2002
Volume 36 Issue 1

6 Research sessions: similarity and matching: Statistical synopses for graph-structured XML databases 77%
Neoklis Polyzotis , Minos Garofalakis
Proceedings of the 2002 ACM SIGMOD international conference on Management of data June 2002
Effective support for XML query languages is becoming increasingly important with the emergence of new applications that access large volumes of XML data. All existing proposals for querying XML (e.g., XQuery) rely on a *pattern-specification language* that allows path navigation and branching through the XML data graph in order to reach the desired data elements. Optimizing such queries depends crucially on the existence of concise synopsis structures that enable accurate compile-time sele ...

7 The Hearsay-II Speech-Understanding System: Integrating Knowledge to Resolve Uncertainty 77%
Lee D. Erman , Frederick Hayes-Roth , Victor R. Lesser , D. Raj Reddy
ACM Computing Surveys (CSUR) June 1980
Volume 12 Issue 2

8 On Network Linguistics and the Conversational Design of Queueing Networks 77%
K. B. Irani , V. L. Wallace
Journal of the ACM (JACM) October 1971
Volume 18 Issue 4

9 Towards automatic evaluation of multimodal user interfaces 77%
Sandrine Balbo , Joëlle Coutaz , Daniel Salber
Proceedings of the 1st international conference on Intelligent user interfaces February 1993

Results 1 - 9 of 9 short listing

Search Results

Search Results for: **[Mackay and error-correcting]**
Found 4 of **119,560 searched.**

Search within Results

> Advanced Search > Search Help/Tips

Sort by: Title Publication Publication Date Score Binder

Results 1 - 4 of 4 short listing

1 Ubiquity: Comparing paper and tangible, multimodal tools 77%
David R. McGee , Philip R. Cohen , R. Matthews Wesson , Sheilah Horman
Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves April 2002
In command posts, officers maintain situational awareness using paper maps, Post-it notes, and hand-written annotations. They do so because paper is robust to failure, it is portable, it offers a flexible means of capturing information, it has ultra-high resolution, and it readily supports face-to-face collaboration. We report herein on an evaluation comparing maps and Post-its with a tangible multimodal system called Rasa. Rasa augments these paper tools with sensors, enabling it to recognize t ...

2 Controlling Complexity: An evaluation of a multiple interface design solution for bloated software 77%
Joanna McGrenere , Ronald M. Baecker , Kellogg S. Booth
Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves April 2002
This study examines a novel interface design for heavily-featured productivity software. The design includes two interfaces between which the user can easily toggle: (1) an interface personalized by the user containing desired features only, and (2) the default interface with all the standard features. This design was prototyped as a front-end to a commercial word processor and evaluated in a comprehensive field study. The study tested the effects of different interface designs on users' satisfa ...

3 CyberCode: designing augmented reality environments with visual tags 77%
Jun Rekimoto , Yuji Ayatsuka
Proceedings of DARE 2000 on Designing augmented reality environments April 2000

The CyberCode is a visual tagging system based on a 2D-barcode technology and provides several features not provided by other tagging systems. CyberCode tags can be recognized by the low-cost CMOS or CCD cameras found in more and more mobile devices, and it can also be used to

determine the 3D position of the tagged object as well as its ID number. This paper describes examples of augmented reality applications based on CyberCode, and discusses some key characteristics of tagging technologies ...

4 Design and technology for Collaborage: collaborative collages of information on physical walls 77%
Thomas P. Moran , Eric Saund , William Van Melle , Anuj U. Gujar , Kenneth P. Fishkin , Beverly L. Harrison
Proceedings of the 12th annual ACM symposium on User interface software and technology
November 1999
A Collaborage is a collaborative collage of physically represented information on a surface that is connected with electronic information, such as a physical In/Out board connected to a people-locator database. The physical surface (board) contains items that are tracked by camera and computer vision technology. Events on the board trigger electronic services. This paper motivates this concept, presents three different applications, describes the system architecture and com ...

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